

DC to DC Converters: Low Dropout Linear Voltage Regulators

MICROPOWER LINEAR VOLTAGE REGULATORS														#	Price		
Input		Nominal		Iout	Iq	Ignd	Dropout	LINE	LOAD	Output	Output	Vreference	Vbatt	Iout	Vtemp		
Voltage		Output			@ Iout	Current	Voltage	REG	REG	Noise	Noise		Detect	Sense	Output		
Range		Accuracy		Max	@ I max	@ Imax			w/Caps	wo/Caps						Pins	100's
Min	Max	Volts	typ	mA	mA	mA	mV	mV/V	mV/mA	uVrms	uVrms	Min	Max				
SINGLE OUTPUT																	
<i>+5V, or ADJUSTABLE +1.6 to +16V</i>																	
ADM663	+2.	+16.5	+5.	5%	40	12		NS	0.35	7		+1.27	+1.33	No	Yes	Yes	\$1.54
ADM666	+2.	+16.5	+5.	5%	40	12		NS	0.35	7		+1.27	+1.33	Yes	No	No	\$1.82
ADP667	+3.5	+16.5	+5.	4%	200	20		250	0.25	0.5		+1.23	+1.28	Yes	No	No	\$2.28
ADM3367	+2.5	+16.5	+5.	5%	200	14	25	250	0.35	0.07		+1.23	+1.28	Yes	No	No	\$3.07
<i>Single Output: Any Cap</i>																	
ADP3300	3	12	2.7, 3, 3.2., 3.3., 5	0.8%	50	1.7	1.2	170	0.02	0.06	30	100	na	na		6	\$1.15
ADP3308	3	12	2.7, 3, 3.2., 3.3., 5	0.8%	100	1.7	1.7	170	0.02	0.06	30	100	na	na		6	\$1.15
ADP3307	3	12	2.7, 3, 3.2., 3.3., 5	0.8%	100	1.7	1.2	170	0.02	0.06	30	100	na	na		5	\$1.15
ADP3309	3	12	2.7, 3, 3.2., 3.3., 5	0.8%	100	1.7	2	170	0.02	0.06	30	100	na	na		5	\$1.15
ADP3301	3	12	2.7, 3, 3.2., 3.3., 5	0.8%	200	2	1	200					na	na		8	\$1.15
ADP3303	3	12	2.7, 3, 3.2., 3.3., 5	0.8%	100	8	5	400	0.03	0.04			na	na		8	\$1.15
ADP3306	3	12	2.7, 3, 3.2., 3.3., 5	0.8%	300	NS	5	600	0.03	0.04	30	100	na	na		8	
<i>Dual Output: Any Cap</i>																	
ADP3302	3	12	2.7, 5	0.8%	100	8	2	200	ns	ns			na	na	na	8	\$1.75
ADP3302-3/5	3	12	3, 5	0.8%	100	8	2	200	ns	ns			na	na	na	8	\$1.75
ADP3302-3.2/3.2	3	12	3.2, 3.2	0.8%	100	8	2	200	ns	ns			na	na	na	8	\$1.75
ADP3302-2.7/3.3	3	12	2.7, 3.2	0.8%	100	8	2	200	ns	ns			na	na	na	8	\$1.75
ADP3302-3.3/5	3	12	3.3, 5	0.8%	100	8	2	200	ns	ns			na	na	na	8	\$1.75
<i>Selectable Output: +3V, or +5V or ADJUSTABLE +1.3 to +16V</i>																	
<i>Vset=low</i>																	
ADM663A	+2.	+16.5	+5.	5%	100	12		100	0.35	7		+1.27	+1.33	No	Yes	Yes	\$1.76
<i>Vset=high</i>																	
ADM663A	+2.	+16.5	+3.3	5%	100	12		100	0.35	7		+1.27	+1.33	No	Yes	Yes	\$1.76
<i>Vset=low</i>																	
ADM666A	+2.	+16.5	+5.	5%	100	12		100	0.35	7		+1.27	+1.33	Yes	No	No	\$2.02
<i>Vset=high</i>																	
ADM666A	+2.	+16.5	+3.3	5%	100	12		100	0.35	7		+1.27	+1.33	Yes	No	No	\$2.02
Regulator Controller: AD3310 & AD3310A Require External Pass Transistor, NDP602P, AD3319 IRFR9014																	
ADP3310	2.5	16	Vin-1V +/-1%		1000	600	1			5							\$1.15
ADP3319	2.5	15	Vin-1V +/-1%		1000	800	1	1000		1mV/mA	NS	NS					